

Fig. 1

1 GACACCCAGTCATCAGTCACATCTGCTTTCTCGCACAGAGAGCGCCATAAAACATGAAGGTTTGTACTCTTTGCTGTTTCTTCTGCTTGGTCCA
M K V L L L F A V F F C L V Q

100 AAGAACTCAG
R N S

gtaaatgtcttctgagtagccctggagaaggcaggatgccttttaggtttgtagaccacattgaggtgtgtccaggtatcaacattgg
200 gcacagatgggtgggcccactctggggctcagggctcggaccactttcctaacgaagaggttttattttgattttttttgtttgttcatttgcaagagttg
300 caaattttacagcacggagacacagaggcctatatctccattgtgaataagaaggtctgattgtaactgagagtttattcaggacagaattacagccg
400 tacctgtgtcaaaagtgaattttactgcctcgctgtgagcagagaaggtgttcacatttatgcccttccctacccattacatccacagaacaccagat
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700 agaccagtttccctaaatgttacaggcataggttgggcccgtgtgctttttaacacaggggtgtgcaacattgttaaaaagggtttttttaaccatctctt
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1300 atgccatcccgaacaccacgagatataaatggttgctattgaaagctaaggaggaaaaatctcagtgacgccgaaactctggaagagtggagcagattc
1400 ttcgagaggggctgggggctgggggctgggggctggagccactgttttatctcagtcgttgtttccacag

GGGACATACCACCTGGAATCAGAAACACC
G D I P P G I R N T

1500 GTGTGCTTCATGCAGCGGGGCCACTTTAGGCTCTTCATGTGCCGTTCTGGGGGAGAGAAAGGGGGATATTTGCTCTGACCCCTGGAACAGATGCTGGGTAT
V C F M Q R G H C R L F M C R S G E R K G D I C S D P W N R C C V

1600 CCAGTTCCATTAAAAACAGATGATAGAAGACTCATTGGAAGATCTGAGATGTGGGTGCAAGCTCTTGAAGCTAGAGACCTGGAAGCACCCCAAGGCT
S S (S) I K N R * *

1700 TTGAGTATGTGTGGCTAATGGTGCCTGCTCAATAAACACTTGTCTG

Fig. 2A

20 40 60 80

Bin1b MKV-LFLFAVFFCIVQRNSG-----DIPPGIRNTVCFMQRGHCRLFMCRSGERKGDICSDPWNRCVSSSIKNR-----
 EP2E MKV-FFLFAVFFCIVQTNSG-----DVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSNNTDEEGKEKPEMDGRSGI
 BNBD9 -----PEGVRNFVTCRINRGFCVPIRCPGHRRQIGTCLGPQIKCCR-----
 BNBD3 -----PEGVRNHVTCRINRGFCVPIRCPGRTRQIGTCLFGPRKCCRSW-----
 BNBD7 -----PEGVRNFVTCRINRGFCVPIRCPGHRRQIGTCLGPRIKCCR-----
 TAP MRLHHLLALFLVLSAWSG-----FTQGVGNPVSCVRNKGICVPIRCPGSMKQIGTCVGRAVKCCRKK-----
 LAP MRLHHLLALFLVLSAGSG-----FTQGVNSQSRRNKGICVPIRCPGSMRQIGTCLGAQVRCRRK-----
 EBD MRLHHLLTLFLVLSAGSG-----FTQGSNPLSCLNRGICVPIRCPGNLQIGTCLFTPSVCCRWR-----
 HBD1 MRTSYLLFTCLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQGTQYRGKAKCK-----
 HBD2 MRLYLFLFSFLFLMPLPG-----VFGGSDPVTCLKSGAICHVPVFCPRRYKQIGTCLPGTKCCRKP-----
 HBD3 MRLHYLLFALFLFLVPVPGHG-----GIINTLQKYYCRVGGRCVAVSLCPKEEDIGKSTRGRKCCRKK-----
 CBD1 MRTSYLLFTCLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQGTQYRGKAKCK-----
 CBD2 MRLYLFLFSFLFLMPLPG-----VFGGSDPVTCLKSGAICHVPVFCPRRYKQIGTCLPGTKCCRKP-----
 MBD1 MKTHYFLVMCFLLFSQMEPGVILTSLGRRTDQYKCLQHGGFCLRSSCPSTKLQGTCKPDKPNCCKS-----
 MBD2 MRTLCSLLLICCLFSYTPAVGSLKSGYEAELDHCHTNGGYCVRAICPPSARRPGSCFPEKNPCCKYMK-----
 MBD3 MRLHYLLFAFLVLVSPAA-----FSKKENNPVSCLRKGGRCWNR-CIGNTRQIGSGVPPFKCCRKK-----
 MBD4 MRLHYLLFTFLVLVLSPLAA-----FTQILNNPITCMTNGAICWGP-CTAFRQIGNGHFVRCCKIR-----
 RBD1 MKTHYFLVMCFLLFSQMELGAGILTSLGRRTDQYRCLQNGGFCRLSSCPSTKLQGTCKPDKPNCCKS-----
 RBD2 MRLHYLLFSFLVLVLSPLSA-----FTQSENMPITCLTKGGVCWGP-CTGGFROIGTCLGPRVCCRKK-----
 GBD1 MRLHHLLVLFLVLSAGSG-----FTQGRSRRSCHRNKGVCALTRCPNMROIGTCFGPPVKCCRKK-----
 GBD2 MRLHHLLALFLVLSAGSG-----FTQGINHRS CYRNKGVCAPARCPRNMROIGTCHGPPVKCCRKK-----
 SBD1 MRLHHLLVLFLVLSAGSG-----FTQGVNRLSCHRNKGVCVPSRCPRHMRQIGTCRGPPVKCCRKK-----
 SBD2 MRLHHLLVLFLVLSAGSG-----PTHGVTSLSRWKKGICVLTRCPGTMROIGTCFGPPVKCCRLLK-----
 PBD1 MRLHRLVLVFLLMVLLPVPG-----LLKNTGNSVSCLRNKGVCMPGKCAPKMKQIGTCGMPQVFCCKRK-----
 Gal1 -----GRKSDCFRKSQFCAPLKCESLTLSGKCSRFDL-CKKRIW-----
 Gal1a -----GRKSDCFRKNQFCAPLKCPYLTLSGKCSRFDL-CKKRIW-----
 Gal2 -----LFC--KGGSHFGGCPSHLIKVGSFCGFRS-CKKWPNA-----
 THP1 MRLVYLLFPFLLLAQGAAG-----SSLAGKREKCLRRNGFCAPLKCPYLTLSVISGTCSRFQV-CKKTLG-----
 THP2 MRLYLFLFSFLFLAQQVS-----PGLSSPKRDMVFC--KRTCHFGRCPSHLIKVGSFCGFRS-CKKWPDA-----

m 1 c g c Cp g c cc

Fig. 2B

20 40 60

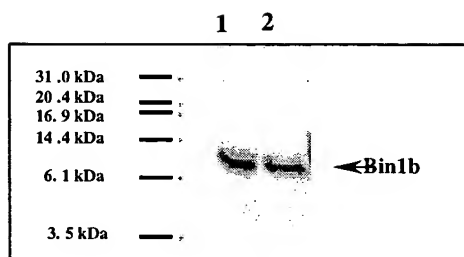
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 EP2E MKVFFLFAVFLVQTNS-----
 EP2D MRQRLLPSVTSLLLVALLFPGSSQARHVNHSATEALGELNERAPGQGTNGEQLLRHAVKRDLLPRT
 HE2b1 MRQRLLPSVTSLLLVALLFPGSSQARHVNHSATEALGELNERAPGQGTNGEQLLRHAVKRDLLPRT

80 100 120

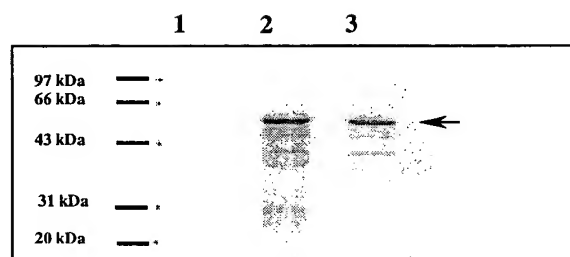
Bin1b ----GDIPPGIRNTVCFMQRGHCRLFMCRSGERKGDICSDPWNRCVSSSIKNR-----
 EP2E ----GDVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSNNTDEEGKEKPEMDGRSGI
 EP2D PPYQGDVPLGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSNNTDEEGKEKPEMDGRSGI
 HE2b1 PPYQGDVPPGIRNTICRMQQGICRLFFCHSGEKKRDICSDPWNRCVSNNTDEEGKEKPEMDGRSGI

Fig. 2C

A.



B.



C.

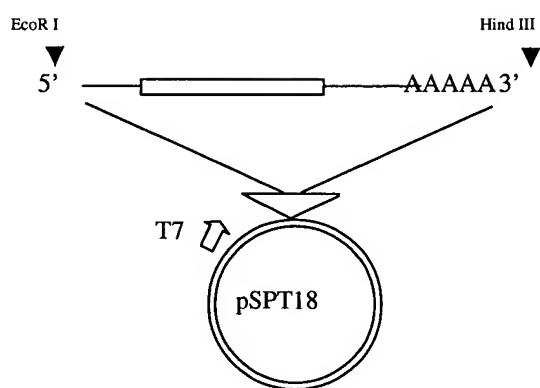


Fig. 3

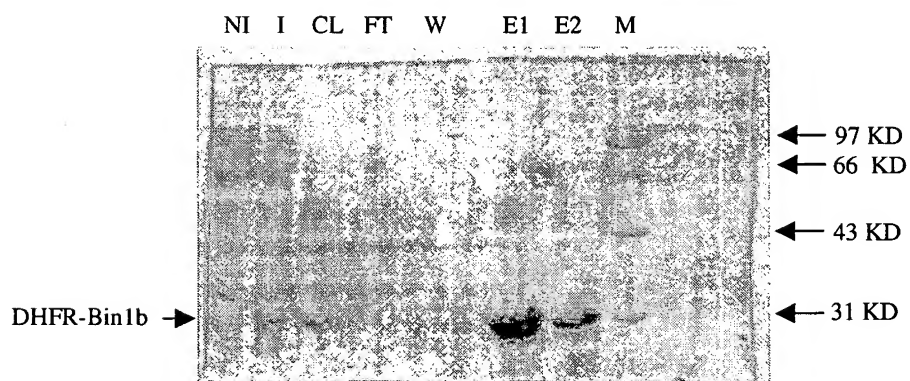


Fig. 4

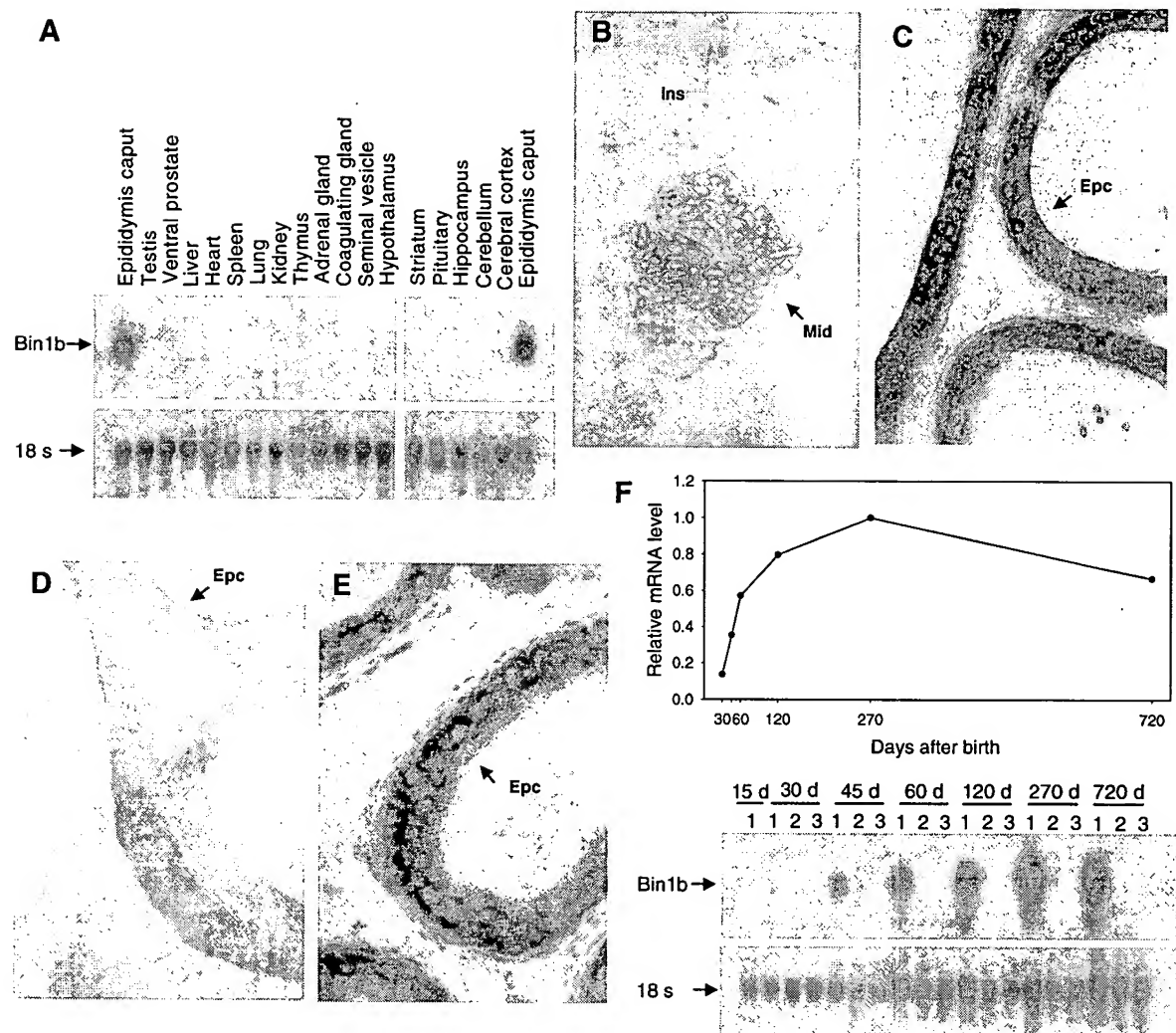
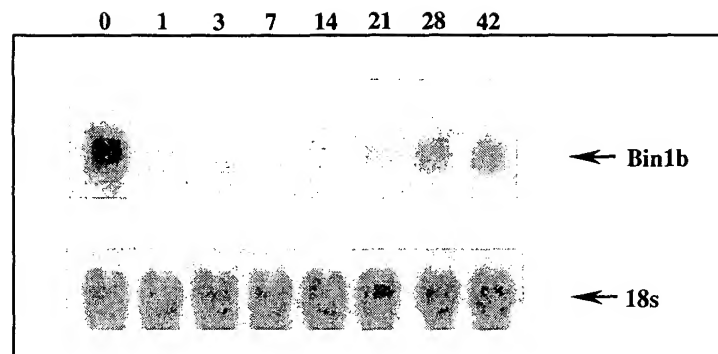


Fig. 5

A.



B.

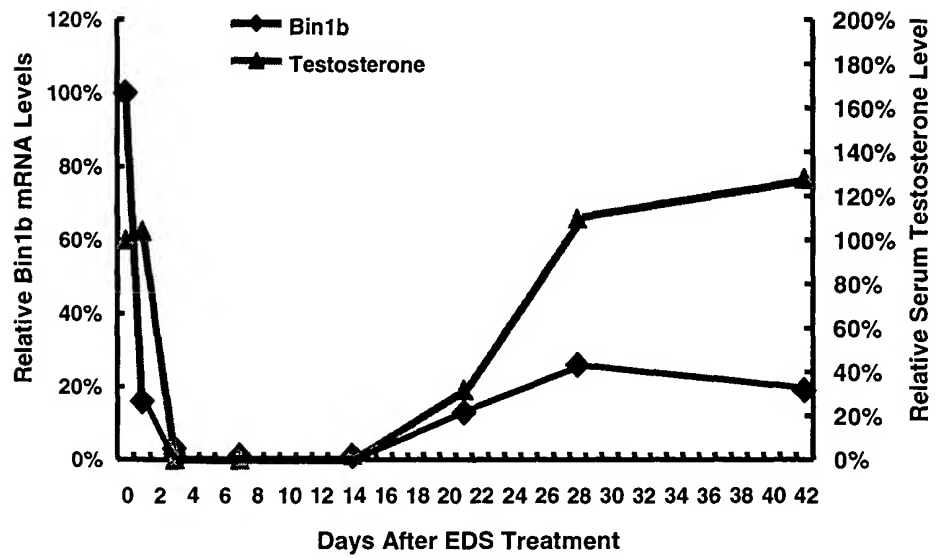


Fig. 6

